

## ENTERED

PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/070,489A

DATE: 12/26/2002 TIME: 13:38:55

Input Set : A:\pto.vsk.txt

Output Set: N:\CRF4\12262002\J070489A.raw

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3 <110> APPLICANT: Glare, Travis T
              Hurst, Mark R H
              Jackson, Trevor A
     7 <120> TITLE OF INVENTION: Insecticidal Nucleotide Sequences
     10 <130> FILE REFERENCE: 24747-1104US
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/070,489A
C--> 13 <141> CURRENT FILING DATE: 2002-09-17
     15 <150> PRIOR APPLICATION NUMBER: PCT/NZ00/00174
     16 <151> PRIOR FILING DATE: 2000-09-04
     18 <150> PRIOR APPLICATION NUMBER: NZ 337610
     19 <151> PRIOR FILING DATE: 1999-09-02
     21 <160> NUMBER OF SEQ ID NOS: 6
     23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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     27 <212> TYPE: DNA
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     33 <223> OTHER INFORMATION: SepA
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     37 <223> OTHER INFORMATION: SepB ·
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     59 acatacccag tgccgataaa ctgtgacgaa cactatcaaa gatgtgttcc gtcgacctga 180
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61 atttagccgg catcatcaaa agatgcatgg aaatacaaat atcatattta cagacaccca 300

## RAW SEQUENCE LISTING DATE: 12/26/2002 PATENT APPLICATION: US/10/070,489A TIME: 13:38:55

Input Set : A:\pto.vsk.txt

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07	tege		CC T	gtct	gttt	a ta	tacg	rcaat	ggc	gaaa	itcc	ttc	ggtgg	ggg	ggaga	aaaaa	1859
00	Mot	aag	ata	agt	TCC	cga	ggt	atc	gca	tta	atc	aaa	gag	ttc	gaa	ggt	1907
90	Met 1	Lys	тте	ser		Arg	GLY	тте	Ala		lle	Lys	Glu	Phe	Glu	Gly	
		~~~	++-	000	5	+ - +	~~~			10			,		15	· .	
93	Lau	Ara	LLa	uic	yct Ma	Tur	Cgc 7~~	Cura	gcc	gct	gac	gtc	tgg	act	gtc	ggt	1955
94	пеа.	ALY.	пеп	20	нта	ıyı	Arg	Cys	25	Ата	Asp	vaı	Trp		Йаl	GIY	
	tat.	aac	Cac		ac a	aaa	~++	202		~~+	~~~	- t-		30	gtc		0000
97	Tur	Glv	Hie	Thr	yca Mla	999 617	yıı Val	aca Thr	Tuc	Clu	yac Aan	TIO	alc	acg	gtc Val	gat	2003
98	- y -	Cry.	35	1111	AIA	Gry	vaı	40	гу	сту	Asp	тте	45	Inr	vaı	Asp	
	αаа	acc		aca	ato	cta	aca		· nat	att	3.00			~~	2 000	g gcg	2051
101	Glu	Ala	Gln	Thr	Met	Len	Thr	Asn	. gat Asn	Tle	Thr	. yca · Val	Dha	ya.	a cgc u Arc	y geg	2051
102		50				,500	55			110	1111	60		. 61	u Ary	, нта	
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106	65					70			, nca	71011	75		GIII	ı ıy.	r vst	80	
		att	tct	ttα	att				aac	cad			+++	22.	a cgc	1 + 0+	2147
109	Leu	Val	Ser	Len	Val	Phe	Asn	Tle	Glv	Gln	617	aat Aen	Dha	Tu	s Arg	Sor	214/
110					85		11011		. Ory	90	ОТУ	ASII	1110	цy	95		
	acc	tta	tta	aaa		ctic	aac	aaa	cad		tat	ata	aac	ac.	ggg S		2195
113	Thr	Leu	Leu	Lvs	Lvs	Len	Asn	Lvs	Gln	Asn	Tur	Val	Glv	- Δ1:	ggg Gly	aac Zen	2193
114	•			100	-10			-15	105		- y -	• 44 1	Сту	110	_	поп	
	gag	ttt	tta		taa	acc	caa	gac		gaa	aad	atr	ctt		o o gga	cta	2243
117	Ğlū	Phe	Leu	Ara	Tro	Thr	Ara	Ala	Asn	Glv	Lvs	Val	Len	Pro	o Gly	Len	2273
				,	- L.		- 5			1	-1-				- J_y	20 U	

RAW SEQUENCE LISTING DATE: 12/26/2002 PATENT APPLICATION: US/10/070,489A TIME: 13:38:55

Input Set : A:\pto.vsk.txt

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	125	*																
W>																	ccatca	
		acgi	taa 1	_	_			_		_				-	gat a		_	2452
	130 131				мес <i>I</i> 145	arg (	olli A	Asp .		мес. 150	ryr A	ASI .	тте А	_	Asp 1 155	тте 1	_eu	
		a2a	222			act	000	222			ata	+ < >	~ ~ ~		aac	ant.	202	2500
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	135	014	цуз	160	71311	211.0	110	211.9	165	my	пса	JCI	Oiu	170	71311	1130	T 11T	
		aca	ata		cta	аса	gat	tta		tca	cat	tca	+++		gag	atc	aaa	2548
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	179	שפע	335	чэh	Asp	SET	νаエ	340	JIU	п¢п	шeu	пта	345	- Y -	лгу	шeи	TIIT	
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RAW SEQUENCE LISTING DATE: 12/26/2002 PATENT APPLICATION: US/10/070,489A TIME: 13:38:55

Input Set : A:\pto.vsk.txt

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	Ser	Thr	480	ьeu	тте	IIII	тте	His 485	птѕ	ıyı	Leu	Arg	490	Leu	дту	GIY	
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239	~~~	575	++-	a++	a++		580	2 2 t	222	~++	2+0	585	at a	+ 2.0	224	acc	3796
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242		тте	rne	тте	neu	595	пеа	ASII	пуs	vaı	600	Arg	пеа	ı yı	цуз	605	
		aac	ata	200	aca		gaa	ata	tat	саа		acc	aat	att	ctt		3844
								Ile									
247	1111	O + y	1100		610				- 1 -	615					620		
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/070,489A TIME: 13:38:55

DATE: 12/26/2002

Input Set : A:\pto.vsk.txt

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261	ctg	ttc	acc	acg	ctg	ttc	aac	acc	cca	ccg	ctg	aac	ggc	cag	ctg	ttt	4036
262	Leu	Phe	Thr	Thr	Leu	Phe	Asn	Thr	Pro	Pro	Leu	Asn	Gly	Gln	Leu	Phe	
263	670					675					680					685	
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	Phe	Ser	Cys	Ser	Ala	Asp		Ile	Ala	Ala	Leu	Tyr	Arg	Val	Lys	Leu	
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290	Glu	ьeu	Thr	785	Pne	ьeu	Tyr	GIN	790	Thr	Thr	Trp	Leu	795	GIU	GIN	
	~~~	+~~				~~+	~+~	++-		a + ~	a+ ~				+	~~+	4420
	ggc Gly																4420
295	Gry	ттр	800	val	261	дар	val	805	neu	Mec	Бец	1111	810	GIII	тут	Gry	
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	Thr																4400
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303				O.L.J	9	835	200			010	840			QT J	пор	845	
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	Ala																
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	aag	aca	ata	cta		taa	aca	σac	caq		aaσ	cca	gag	aaa		acq	4612
	Lys																
311	-	·		865		L			870		-			875			
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	Leu																
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## VERIFICATION SUMMARY

DATE: 12/26/2002 PATENT APPLICATION: US/10/070,489A TIME: 13:38:56

Input Set : A:\pto.vsk.txt

Output Set: N:\CRF4\12262002\J070489A.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:39 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1 L:43 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1 L:47 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1 L:51 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1 L:56 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1 L:128 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1